

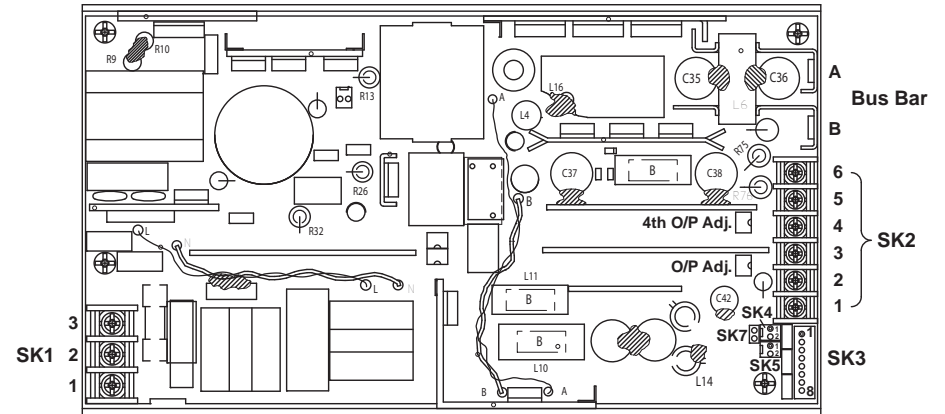
To comply with the published safety standards, the following must be observed when using this power supply:

- Maximum ambient temperature for the power supply must not exceed 50°C.
- When installing the power supply in the end-use equipment, special attention is required to ensure safety compliance with the following safety standards: UL60950-1, EN60950-1, IEC60950-1, and CSA22.2 No. 60950-1-03; including the requirements for creepage distances, clearances, and distance through insulation between primary wiring and earth or secondary (SELV) wiring.
- The power supply's rated input voltage is automatically selected. Please refer to the specification sheet for the input voltage range.
- The maximum output power of the supply must not exceed the rating indicated in the specification sheet.
- The earth ground wire must be connected only to the point marked with the earth ground symbol (on the unit).
- The disconnection from the line must be in the end system.
- Hazardous voltages exist in the primary circuits. Disconnect the power supply before servicing.
- The unit must be protected by a fuse in the end system. Components, such as capacitors, may be positioned in front of the internal fuse.
- When operating with a dc input voltage range, the dc source must be rectified from a mains supply not exceeding 250 V ac. The unit input must also be protected by a dc rated fuse in the end-use installation system.
- The internal fuse should only be replaced with a F6.3AH, 250 V ac, type 21606.3 manufactured by Littelfuse, type 50CF063H manufactured by Triad, or type S501 manufactured by Cooper.
- This equipment is considered Class I according to protection against electric shock.
- This power supply is **CE** marked following the provisions of the Low Voltage Directive, 2006/95/EC.
- For technical assistance, contact SolaHD Technical Support at (800) 377-4384 or send an e-mail to tech@solahd.com. Please visit our Web site at www.solahd.com for additional product information and specification sheets.

Output Ratings

Model	Output Voltage (V)	30 CFM Forced Air Cooling (unit not convection rated)	
		Max. Output Current (A)	Max. Output Power (W)
GLQ252-C	+5	35.0	250 with cover
	+12	10.0	
	-12	6.0	
	+5 to +25	6.0	
GLQ253-C	+5	35.0	
	+15	10.0	
	-15	6.0	
	+5 to +25	6.0	

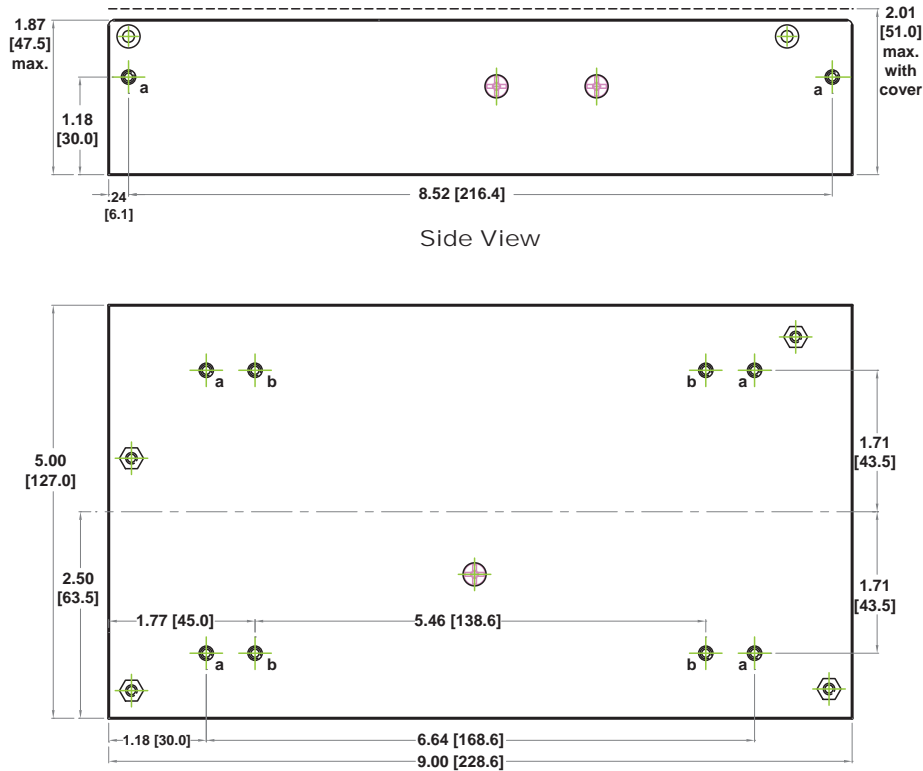
Mechanical Outline



Connector PIN Designation

Input Connector	PIN	GLQ252-C	GLQ253-C
SK1	1	Neutral	
	2	Line	
	3	Earth GND	
Output Connector	PIN	GLQ252-C	GLQ253-C
Bus Bar	A	+5 V	
	B	Common	
SK2	1	+12 V	+15 V
	2, 3	Common	
	4	-12 V	-15 V
	5	Return (float)	
	6	+5 V to +25 V adj. (float)	
	SK3	1	+Sense
SK3	2	-Sense	
SK3	3	Inhibit (normally open)	
SK3	4	Inhibit (normally closed)	
SK3	5	Common	
SK3	6	Active current share	
SK3	7	P OK	
SK3	8	Dc OK	
SK4	1	Fan (+)	
	2	Fan (-)	
SK5	1	+5 V (aux)	
	2	Common	
SK7	1	Fan (+)	
	2	Fan (-)	

Mechanical Dimensions

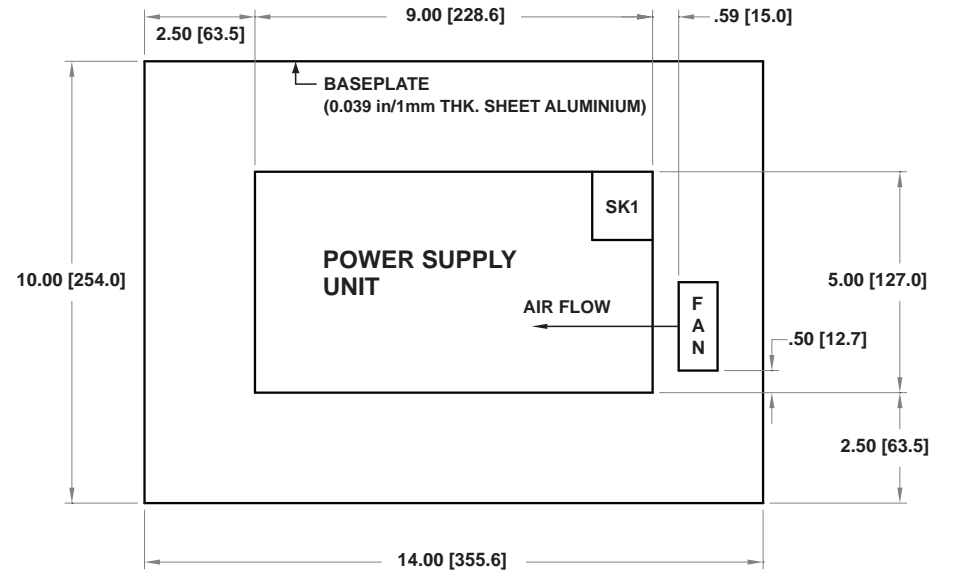


Bottom View

All dimensions are in inches [mm]

Screw sizes: a = #6-32 (U.S.); b = M3 (International)

Typical Ventilation Setup



Fan Used: Minebea 2410ML-04W-B60, 12 V dc, 0.40 A

Dc Input for Fan Testing: 12 V dc

NOTE: Dimensions and fan used are for reference only

GLQ250 Series Specifications

Electrical Specifications

Input	
Input range	85-264 Vac; 120-300 Vdc
Frequency	47-440 Hz
Inrush current	20 A max, cold start @ 25°C
Efficiency	75% typical at full load
EMI filter	FCC Class B conducted and radiated; CISPR 22 Class B conducted and radiated; EN55022 Class B conducted and radiated; VDE 0878 PT3 Class B conducted and radiated
Safety ground leakage current	<0.5 mA @ 50/60 Hz, 264 Vac input
Output	
Maximum power	With cover: 250 W with 30 CFM forced air, (-C) (-CF) (CEF)
Adjustment range	±5% min. on main: 5-25 V on 4th output
Supervisory outputs	5 V @ 100 mA regulated, 12 V @ 500 mA
Hold-up time	16 ms @ 250 W load, 115 Vac nominal line
Overload protection	Short circuit protection on all outputs. Case overload protected @ 110-145% above peak rating
Overvoltage protection	5 V output: 5.7 to 6.7 Vdc; Other models 10% to 25% above nominal output
Minimum load	3 A for 1st output
Logic Control	
Power failure	TTL logic signal goes high 50-150 msec after 5 V output. It goes low at least 4 msec before loss of regulation
Remote on/off	Requires an external contact (N.O. or N.C.) to inhibit outputs
DC-OK	TTL logic goes high 50-150 msec after the output. It goes low when there is loss of regulation
Remote sense	Compensates for 0.5 V lead drop minimum, will operate without remote sense connected. Reverse connection protected.

Environmental Specifications

Operating temperature	0° to 50°C ambient. Derate each output at 2.5% per degree from 50° to 70°C
Storage temperature	-40°C to 85°C
Temperature coefficient	±0.4% per °C
Electromagnetic susceptibility	Designed to meet IEC 801, -2, -3, -4, -5, -6, Level 3
Humidity	Operating; non-condensing 5% to 95%
Vibration	Three orthogonal axes, sweep at 1 oct/min, 5 min. dwell at four major resonances 0.7 G peak 5Hz to 500Hz, operational
MTBF demonstrated	>550,000 hours at full load and 25°C ambient conditions

Mating Connectors

SK3	Molex 22-01-1084 PINS: 08-70-0057
SK4	Molex 22-01-3027 PINS: 08-50-0114
SK5	Molex 22-01-3027 PINS: 08-50-0114
SK7	Molex 22-01-3027 PINS: 08-50-0114

Connector Kit #70-841-005, includes all of the above

1. Specifications subject to change without notice.
2. All dimensions in inches (mm), tolerance is ±0.02”.
3. Specifications are at factory settings unless otherwise stated.
4. To enable normally closed remote inhibit, cut jumper J1.
5. Mounting maximum insertion depth is 0.12”.
6. Warranty: 2 year
7. Weight: 3.1 lbs/1.41 kg



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